A. GENERAL NOTES

- ALL CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND BE KNOWLEDGEABLE REGARDING EXISTING CONDITIONS AND THEIR EFFECT ON THE PROPOSED WORK. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR, ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE PROJECT.
- 2. NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO THE INTERRUPTION OF ANY UTILITY. PROTECT AND KEEP IN SERVICE ACTIVE UNDERGROUND UTILITIES, PIPES, OR CONDUITS, WHETHER INDICATED ON THE DRAWINGS OR NOT, UNLESS SPECIFICALLY CALLED FOR TO BE REMOVED, RELOCATED, OR DISCONNECTED AND
- 4. CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH THAT OF OTHER TRADES.
- 5. NO WORK WILL BE PERMITTED TO BE INSTALLED WITHOUT RECEIPT AND SUBSEQUENT REVIEW OF FULL AND COMPLETE SUBMITTALS BY THE ARCHITECT/ENGINEER.
- 6. DO NOT SCALE DRAWINGS, DIMENSIONS INDICATED TAKE PRECEDENCE OVER SCALE

ANCHOR BOLT

ACOUSTICAL CEILING PANEL

ADJACENT OR ADJUSTABLE

ACOUSTICAL CEILING TILE

ABOVE FINISH FLOOR

ABOVE FINISH GRADE

ABRASIVE

ACOUSTIC

ADDITIONAL

ALUMINUM

ALTERNATE

ACCESS PANE

APPROXIMATE

ANCHOR

ASPHALT

AUTOMATIC

AVERAGE

BASEMENT

BOARD

BETWEEN

BOTTOM OF

BITUMINOUS

BLOCKING (WOOD)

BENT STEEL PLATE

CAST-IN-PLACE

CEMENT PLASTER (TYPE)

CONCRETE MASONRY UNIT

COMPRESSIBLE OR COMPACTED

CERAMIC PAVER TILE (TYPE)

CONSTRUCTION OR CONTRACTION JOINT

BENCH MARK

BUILDING

BEARING

BRACKET

CLEAR

CLEAN-OUT

CONCRETE

CONDITION

COUNTER

CENTER(S)

DIMENSION

DOOR OPENING

EXPANSION JOINT

ELECTRIC/ELECTRICAL

ELECTRICAL CONTRACTOR

ELEVATOR OR ELEVATION

ELECTRIC WATER COOLER

ELEVATION

EMBEDMENT

EMERGENCY

EACH WAY

EPOXY

EQUAL

DOWN

DOOR

DETAIL

DOWELS

EACH

DRAWINGS

CONTINUOUS

CONTRACT(OR)

CARPET (TYPE)

COUNTER SINK

CONCRETE OPENING

CERAMIC TILE (TYPE)

CABINET UNIT HEATER

CABINET UNIT VENTILATOR

ACP

ACOU

APPROX

BRK1

CAB

CONC

COND

CONT

CONTR

CPT-(1)

CTR SK

DWGS

DWL'S

ELEC

ELEV

EMBED

EMER

EW

ELEC CONTR

CONC OPNO

CEM PL-(1)

CT PAV-(1

- VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. WHERE DISCREPANCIES ARE FOUND BETWEEN DIMENSIONS OR ELEVATIONS SHOWN AND ACTUAL FIELD CONDITIONS, NOTIFY ARCHITECT/ENGINEER.
- 8. WHERE CONFLICTS MAY EXIST BETWEEN THE REQUIREMENTS OF PORTIONS OF THE CONTRACT DOCUMENTS. THE GREATER QUANTITY. HIGHER QUALITY OR MORE STRINGENT REQUIREMENT SHALL GOVERN. THEREFORE, BY EXECUTING A CONTRACT FOR CONSTRUCTION. THE CONTRACTOR AGREES THAT, IF IT RAISED NO QUESTIONS REGARDING SUCH CONFLICTS DURING THE BIDDING PROCESS. AND IN THE ABSENCE OF A CLARIFYING ADDENDUM ISSUED DURING THE BIDDING PROCESS, IT HAS VOLUNTEERED TO COMPLY WITH THE MORE EXPENSIVE REQUIREMENT AS PART OF ITS BASE BID AND IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION TO RESOLVE THE CONFLICT.
- 9. THE CONTRACT DOCUMENTS REQUIRE THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE PRODUCTS, SYSTEMS COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE. THE CONTRACTOR FURTHER AGREES THAT, AS PART O ITS BID, IT MUST FURNISH AND INSTALL EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE AND, CONSEQUENTLY, THE CONTRACTOR IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION FOR ANY LENGTH, SEGMENT, PIECE, PART COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE BECAUSE IT IS NOT EXPRESSLY DEPICTED HEREIN.

B: MISCELLANEOUS AND DEMOLITION NOTES

GENERAL NOTES

STANDARD ABBREVIATIONS

EXPANSION

FLOOR DRAIN

FOUNDATION

FOUNDATION

FLOOR

FOOTING

GALVANIZED

HARDENER

HOLLOW METAL

INSIDE DIAMETER

KNOCK DOWN

LEFT HAND

LOW POINT

LIGHTWEIGH1

LIVE LOAD

LONG LEG HORIZONTA

LONG LEG VERTICAL

MASONRY OPENING

METAL THRESHOLD

MECHANICAL

MOUNT(ED)

NOMINAL

NUMBER

ON CENTER

NOT IN CONTRACT

OUTSIDE DIAMETER

NOT TO SCALE

HORIZONTAL

FIRE EXTINGUISHER

FIRE HOSE CABINET

EXP

FDN

FNDN

FRT

GALV

FUR CHN'L

GEN CONTR

GYP BD-(1)

HD WD-(1)

INSUL

MAX

MB (16)

MECH

NOM

OC

OD

OPNG

0PP

MECH CONTR

EXP CONST

ELECTRIC WATER HEATER

EXPOSED CONSTRUCTION

FIRE EXTINGUISHER CABINET

FIRE RETARDANT TREATED

GENERAL CONTRACTOR

GENERAL CONTRACTOR

GYPSUM WALL BOARD (TYPE)

HEATING/VENTILATING/AIR CONDITIONING

INCLUDE/INCLUDING/INCLUDED

INSULATION/INSULATING/INSULATED

LAMINATE/LAMINATING/LAMINATED

MARKERBOARD (LENGTH IN FEET)

MECHANICAL CONTRACTOR

MOP SERVICE BASIN (SINK)

OVERALL OR OUTSIDE AIR

OUTSIDE FACE OR OPPOSITE FACE

OPPOSITE OR OPPOSITE HAND

PRESSURE TREATED OR PAINT

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

THE MATERIALS, ABBREVIATIONS, AND DRAFTING SYMBOLS LEGEND ARE EACH AN ALL INCLUSIVE MASTER LIST USED BY THIS FIRM. THE INCLUSION OF THESE LEGENDS INTO THESE DOCUMENTS DOES NOT IMPLY THAT ALL THE SYMBOLS OR MATERIALS INCLUDED IN THESE LEGENDS ARE INCORPORATED INTO THIS PROJECT. ABBREVIATIONS MAY APPEAR WITH PERIODS OR OTHER PUNCTUATION SEPARATING CHARACTERS ON THE DRAWINGS; THE MEANING REMAINS THE SAME.

MINIMUM OR MINUTE(S)

GYPSUM PLASTER (TYPE)

HEAVY DUTY OR HARD

HARD WOOD (TYPE)

- COORDINATE PENETRATIONS AND/OR SLEEVES REQUIRED IN WALLS, FLOORS, CEILINGS OR ROOFS FOR MECHANICAL AND ELECTRICAL WORK REQUIRED BY ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
- 2. SEAL WITH UL APPROVED MATERIALS PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH FIRE-RATED ASSEMBLIES, TO MAINTAIN THE RATING INTEGRITY OF THOSE ASSEMBLIES. PROVIDE FIRE DAMPERS AS INDICATED ON THE DRAWINGS.
- 3. SEAL WITH ACOUSTICAL SEALANT PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH NON-RATED FLOORS, FULL-HEIGHT WALLS/PARTITIONS, ACOUSTICALLY INSULATED WALLS/PARTITIONS, AND SOUND-RATED WALLS/PARTITIONS, TO MAINTAIN THE ACOUSTICAL INTEGRITY OF THOSE
- APPLY APPROPRIATE & COMPATIBLE SEALANT MATERIALS AS REQUIRED TO SEPARATE DISSIMILAR METALS, FILL GAPS IN EXISTING ASSEMBLIES OR WHERE NEW AND EXISTING ASSEMBLIES MEET OR WHERE OTHERWISE REQUIRED BY THE SPECIFICATIONS.
- BRING ANY UNFORESEEN OR CONFLICTING CONDITIONS TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- REPAIR, PATCH, OR REPLACE FINISH MATERIALS OR VISIBLE ASSEMBLIES THAT ARE SOILED, CUT OR DAMAGED IN ANY FASHION DURING THE COURSE OF THE WORK, PERFORM PATCHING SUCH THAT EDGES BLEND INTO CONTIGUOUS SURFACES SMOOTHLY, MATCHING TEXTURE AND COLOR OF ADJACENT

PAVEMENT

PLASTIC LAMINATE(D)

PLUMBING CONTRACTOR

POLYVINYL CHLORIDE

GYPSUM PLASTER (TYPE)

RUBBER FLOORING (TYPE)

REINFORCE/REINFORCING/REINFORCED

PRECAST (CONCRETE) OPENING

PIECE PLATE

PLASTER

PLUMBING

PLYWOOD

RADIUS

ROOF DRAIN

REQUIRED

SQUARE FOOT

SQUARE INCH

SERVICE SINK

SCHEDULE

SECTION

SPACING

SPEAKER

STANDARD

SUSPEND(ED)

SYMMETRICAL

TOP OF BEAM

TOP OF CURB

TOP OF STEEL

TOP OF WALL

TOP OF MASONRY

VINYL BASE COVED

VERTICAL

WITHOUT

WINDOW

WATER PROOF

WEIGHT

WIDE OR WIDTH

VINYL BASE STRAIGHT

WALL CORNER GUARD

WELDED WIRE FABRIC

WALL SERVICE BASIN

VINYL COMPOSITION TILE

VENEER PLASTER (TYPE)

STAINLESS STEEL

SEALER/HARDENER

SLAB ON GRADE

SPECIFICATION(S)

STANDARD WEIGHT

TONGUE AND GROOVE

TOP OF FOUNDATION

TACKBOARD (LENGTH IN FEET)

(WINDOW) UNIT DIMENSION

UNLESS NOTED OTHERWISE

STRUCTURE OR STRUCTURAL

ROUGH OPENING

PLB'G CONTR

R OR RAD

SEAL/HDNR

SPK'R

STD WT

VCT

VERT

VEN PL (1)

JUNIOR COLLEGE

CITY CENTER **PROJECT**

CHILLER CURB REPAIR JOLIET JUNIOR COLLEGE 235 N. CHICAGO STREET **JOLIET, IL 60432**

OWNER

DR

A12.24

- \A7.19 /

(26)

100'-0"

203.2

203.1X

7.531

CONCRETE

CONCRETE MASONRY IN PLAN

BRICK MASONRY IN

(RUNNING BOND)

MASONRY IN PLAN

STONE MASONRY IN

RAKED JOINT IN

CTRL./EXP. JOINT

BRICK MASONRY I

SECTION DETAIL

CONCRETE

MASONRY IN

SECTION DETAIL

STONE MASONRY IN

SECTION DETAIL

STEEL IN SECTION

DISCONTINUOUS

ROUGH WOOD

BLOCKING IN

CONTINUOUS

IN SECTION

ROUGH WOOD

FRAMING/BLOCKING

FINISHED WOOD IN

SECTION DETAIL

RIGID BOARD

INSULATION

RIGID BOARD

BATT INSULATION

GYPSUM BOARD

ACOUSTICAL

BITUMINOUS

in Section

AGGREGATE

SECTION

UNDISTURBED

EARTH BACKFILL

(ASPHALT) PAVING

BALLAST, FILL OR BACKFILL IN

CONCRETE

AA 🗸

CEILING PANEL

INSULATION

(ROOFING)

(STACK BOND)

DETAIL NUMBER-

DRAWING NUMBER —

DETAIL NUMBER-

DRAWING NUMBER —

DETAIL NUMBER -DRAWING NUMBER -

DETAIL NUMBER -

COLUMN NO

ELEVATION

NUMBER

DOOR NO. NEW

DOOR NO. EXISTING

NOMINAL THICKNESS -

IDENTIFICATION

WINDOW TYPE IDENTIFICATION

TOILET ACCESSORY

IDENTIFICATION

ELEVATION

CONSTRUCTION TYPE SPECIAL CONDITION

reference line no.

JOLIET JUNIOR COLLEGE 1215 HOUBOLT ROAD **JOLIET, IL 60431**

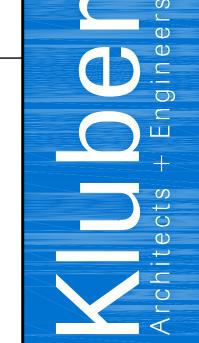
ARCHITECT/ **ENGINEER**

KLUBER ARCHITECTS + ENGINEERS **41 W BENTON STREET AURORA, ILLINOIS 60506** TEL (630) 406-1213 FAX (630) 406-9472 www.kluberinc.com

BID DOCUMENTS

INDEX OF DRAWINGS

- G100 COVER SHEET, GENERAL NOTES, SYMBOLS, & DRAWING INDEX
- S010 GENERAL NOTES, CODE & LOADING, ROOF FRAMING PLAN, SECTIONS & DETAILS



APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL FUEL AND GAS CODE 2018 INTERNATIONAL EXISTING BUILDING CODE 2018 INTERNATIONAL FIRE CODE 2020 NATIONAL ELECTRICAL CODE LOCAL AMENDMENTS TO THE ABOVE CODES

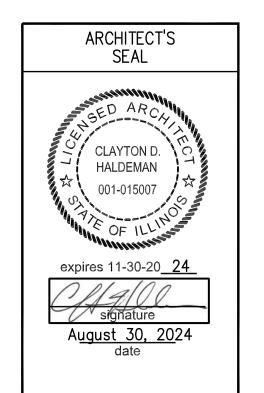
2014 ILLINOIS PLUMBING CODE 2018 ILLINOIS ENERGY CONSERVATION CODE (2018 INTERNATIONAL ENERGY CONSERVATION CODE W/STATE AMENDMENTS 2018 ILLINOIS ACCESSIBILITY CODE

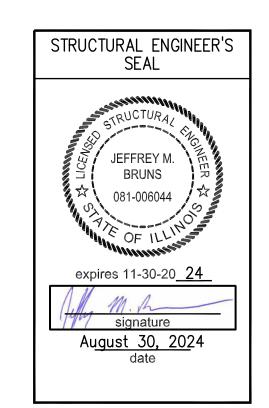
NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.

SEALS & CERTIFICATIONS

I HAVE PREPARED. OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION. THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH IBC 2018 EDITION, THE ENVIRONMENTAL BARRIERS ACT AND THE ILLINOIS ACCESSIBILITY

KLUBER, INC. ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-001284





DRAWN CHECKED APPROVED SHEET TITLE

COVER SHEET, **GENERAL NOTES,** SYMBOLS AND **DRAWING INDEX**

SHEET NUMBER

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL.

2.REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.

3.DO NOT CUT THROUGH ANY STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL DUCTWORK, PIPING, CONDUITS OR OTHER WORK. COORDINATE WITH THE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL ELEMENT LOCATIONS. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETROFIT REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY AND INTEGRITY OF THE DAMAGED ELEMENTS.

4.THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL CONTRACT DRAWINGS. VENDOR DRAWINGS AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES FOR LOCATIONS OF SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

5. THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF SUCH GUYING/BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

6.DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY TAGGED OR SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO THE APPROVAL OF THE ENGINEER.

7. EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DOCUMENTS WAS EXTRACTED FROM THE DRAWINGS PREPARED BY KJWW ENGINEERING CONSULTANTS DATED JANUARY 9, 2013 AND BY SITE VISIT OBSERVATIONS PERFORMED BY KLUBER ON AUGUST 16, 2024. MECHANICAL INFORMATION REGARDING THE CHILLER UNITS AND THEIR ACCESSORIES WAS PROVIDED TO KLUBER AS WELL. THESE DOCUMENTS WERE PART OF THE OPERATION & MAINTENANCE MANUAL PREPARED BY DODSON. HTG. & AIR COND. INC., DATED MAY 5, 2016.

STEEL FRAMING NOTES

S 1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITIONS OF AISC'S "STEEL CONSTRUCTION MANUAL" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES".

S 2. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONT. MIN. SIZED FILLET WELDS PER AISC REQUIREMENTS.

S 3. THE STEEL FABRICATOR AND ERECTOR ARE TO DEVELOP AND IMPLEMENT A QUALITY CONTROL PROGRAM AS SPECIFIED IN AISC 360-10, CHAPTER N. THE STEEL FABRICATOR AND ERECTOR ARE TO PERFORM QUALITY CONTROL INSPECTIONS OF THE STEEL AT THE FABRICATION PLANT AND AT THE PROJECT SITE. REFER TO AISC 360-10, TABLES N5.4-1, N5.4-2, N5.4-3, N5.6-1, N5.6-2, N5.6-3 AND N6.1 FOR MINIMUM INSPECTION REQUIREMENTS.

S 4. STRUCTURAL STEEL ERECTION TO COMPLY WITH OSHA REQUIREMENTS.

S 5. STEEL PROPERTIES:

- A. ANGLES, PLATES & THREADED RODS = A36 (Fy = 36 KSI) B. HSS TUBE = A500 (Fy = 46 KSI)
- C. STRUCTURAL BOLTS = 3/4"Ø A325N
- D. WELDING ELECTRODES = E70XX

S 5. ALL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE CONTRACT DOCUMENTS ARE TO UTILIZE 3/4"Ø TYPE N A325 BOLTS AND TIGHTEN TO A SUNG-TIGHT CONDITION. ALL BOLTS IN A TENSION LOADING STATE SHALL BE "TWIST-OFF" TYPE BOLTS

A. HORIZONTAL SLOTTED HOLES ARE SUBJECT TO THE APPROVAL OF THE ENGINEER OF RECORD. USE OF SUCH HOLES MAY REQUIRE THE IMPLEMENTATION OF FIELD WELDING OF WHICH THE STEEL CONTRACTOR SHALL ACCOUNT FOR IN HIS BID.

CODE AND LOADING

A. DESIGN REQUIREMENTS AND STRUCTURAL LOADS ARE TO BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE AND ANY CITY/VILLAGE AMENDMENTS.

119 MPH

ENCLOSED

22 PSF

25 PSF

1.0

B. LOADING CRITERIA:

- 1. OCCUPANCY GROUP: B & E
- 2. OCCUPANCY CATEGORY: III
- 3. ROOF LOADS:
- a. GROUND SNOW LOAD $(P_g) = 25 \text{ PSF}$
- b. FLAT-ROOF SNOW LOAD (Pf) = 20 PSF + DRIFTING c. SNOW EXPOSURE FACTOR (Ce) = 1.0
- d. SNOW IMPORTANCE FACTOR (Is) = 1.0
- e. THERMAL FACTOR (Ct) =
- 4. ROOF LIVE LOADS: a. ROOF = 20 PSF
- WIND LOADS:
- a. BASIC WIND SPEED (V) = b. IMPORTANCE FACTOR (I) =
- c. EXPOSURE CATEGORY = d. ENCLOSURE CLASSIFICATION = e. MWFRS =
- f. COMPONENTS AND CLADDING = g. ROOFTOP STRUCTURES & EQUIPMENT =

10.001

BOT. CHILLER FRAME

T/CHILLER CURB V.I.F.

CHILLER CURB BRG.

2.001

20'-10½" 16'-1¼" 13'-2¾" 31'-10" 5'-10" 4'-5½" 31'-10" EXISTING CURB OUT-TO-OUT ~39'-0"± E) ISOLATORS BASED ON REVIEW OF SHOP DRAWINGS, EXISTING LIGHTGAUGE CHILLER CENTERLINE OF NEW ISOLATORS SHALL BE LOCATED CURB HAS BEEN DEPICTED AS 14" IN HEIGHT. FIELD MEASUREMENTS SEE NOTE 1/ IN ALIGNMENT WITH CHILLER FRAME UPRIGHTS (SEE FROM TOP OF ROOFING MATERIAL TO TOP OF ROOFED CURB WAS TYP. ELEVATION VIEW). IF NO UPRIGHT IS AVAILABLE

- NEW ISOLATOR SHALL BE PLACE ADJACENT TO MEASURED AS 24" AT LOW ENDS (NEW ROOF DRAINS) AND 16" AT HIGH ENDS. CURB GEOMETRY MUST BE CONFIRMED IN FIELD PRIOR TO EXISTING AS DEPICTED NO MORE THAN 1'-0" AWAY. FABRICATION OF STEEL ELEMENTS. W27x84(E) W24x55(E) TYPICAL @ W12x14(E) -(23.001) W12x14(E) (E) CHILLER EXISTING ROOF FRAMING PLAN (1

EXISTING CURB OUT-TO-OUT = 39'-0"±

SCALE: 1/8" = 1'-0" 5'-4" 5'-11"

TYPICAL ELEVATION VIEW (2)

SECTION VIEW

SCALE: 1/2" = 1'-0"

-(10.100) TYP. 5.011 1'-8" TYP. 8 LOC. EACH SIDE OF UNIT

5'-1"

1'-0" MAX.
UNLESS RELOCATING TO UPRIGHT SECTION A-A 10.001 BOT. CHILLER FRAME

V.I.F. BOT. CHILLER FRAME FIELD PAINT TO PROTECT CORROSION T/CHILLER CURB
V.I.F. T/CHILLER CURB
V.I.F. 5.502 5.502 **PRESS** 5.500 5.501 $\begin{array}{c|c}
3/16 & 4 \\
\hline
3/16 & 4
\end{array}$ CHILLER CURB BRG. CHILLER CURB BRG.
V.I.F. 7" CLR. 3¾" EXIST.

FLANGE 1'-8"±
ROOFING/FLASHING REMOVED TO ALLOW FOR SUPPORT INSTALLATION 3.012

FRONT ELEVATION VIEW

KEYNOTES

AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

1.020 CONTRACTOR TO PROVIDE NEOPRENE PROTECTION PAD BETWEEN ELEMENTS; SIZE TO MATCH FOOTPRINT OF

ASSEMBLY SURFACE.

2.001 DEMOLISH/REMOVE PORTION OF CURB AS REQUIRED FOR INSTALLATION OF NEW SUPPORT.

3.012 C.I.P. CONCRETE: EXISTING CONCRETE SLAB ON METAL DECK.

5.010 STRUCTURAL STEEL: EXISTING STEEL BEAM

5.011 STRUCTURAL STEEL: EXISTING STEEL DECKING

5.020 METAL FABRICATION: EXISTING LIGHT GAUGE MECHANICAL CURB. 5.030 METAL FABRICATION: EXISTING STEEL CHILLER FRAME.

SIZE TO BE VERIFIED IN FILED PRIOR TO FABRICATION.

DEPICTED: PROVIDE (8)-#10-16 TEK SCREWS ON VERTICAL LEG INTO CHILLER CURB AS DEPICTED. 5.501 METAL FABRICATION: HSS3x2x1/4 SLEEVE TUBE; PROVIDE SLOTS AT 3 SIDES AS DEPICTED FOR FILED

5.500 METAL FABRICATION: L3x3x1/4 GRILLAGE ANGLE x 1'-4" LONG; SHOP WELD SLEEVE SUPPORT TUBES AS

WELDING. VERIFY CURB HEIGHT IN FIELD FOR FABRICATION HEIGHT.

5.502 METAL FABRICATION: HSS2.5x1.5x1/4 JACK TUBE; VERIFY CURB HEIGHT IN FIELD FOR FABRICATION HEIGHT; FIELD WELD TO SLEEVE TUBE ONCE "PRESSED" INTO POSITION. REFER TO RECOMMENDED SEQUECING NOTES. 5.503 METAL FABRICATION: 1/2" CAP PLATE; 2 1/2" WIDE x 14" LONG; SHOP FABRICATED TO TOPS OF JACK TUBES; OFFSET PLATE TO SENTER ON TOP FLANGE OF EXISTING CURB AS DEPICTED; PLATE POSITION AND

5.505 METAL FABRICATION: 3/8" STIFFENEER PLATE; FIELD WELD INTO EXISTING CHANNEL FRAME AS DEPICTED. 5.506 METAL FABRICATION: PROVIDE (2)-1/2" DIAMETER HILTI KWIK BOLT FASTENERS INTO CONCRETE DECK TO SECURE; EMBEDMENT = 3".

7.531 ELASTOMERIC MEMBRANE ROOFING MATERIAL: EPDM MEMBRANE PATCH; WHITE; 60 MIL; NON-REINFORCED; ADHERE OVER EXISTING EPDM MEMBRANE AT PERIMETER OF REMOVAL AREA AND ADHERE DIRECTLY TO INSULATION INFILL; INSTALL IN ACCORDANCE WITH EXISTING MEMBRANE MANUFACTURER'S WRITTEN

REQUIREMENTS AND DETAILS. 7.532 ELASTOMERIC MEMBRANE ROOFING MATERIAL: SACRAFICIAL ADDITIONAL LAYER OF EPDM MEMBRANE BENEATH

NEW ISOLATION SUPPORT; WHITE; 60 MIL; NON-REINFORCED. 7.534 ELASTOMERIC MEMBRANE ROOFING MATERIAL: INSULATION: POLYISOCYANURATE; CUT AND FIT INSULATION TIGHTLY INTO CURB AND SNUGLY AROUND AND OVER SLEEVE AND JACK TUBES AND AROUND CAP PLATE; ADHERE PIECES OF INSULATION IN PLACE; SEAL GAPS BETWEEN PIECES.

7.539 ELASTOMERIC MEMBRANE ROOFING MATERIAL: LAP SEALANT; APPLY TO PERIMETER OF MEMBRANE PATCH.

10.001 MECHANICAL ACCESSORY: EXISTING ISOLATION SUPPORT; TO BE REMOVED AND REPLACED.

10.100 MECHANICAL ACCESSORY: NEW ISOLATION SUPPORT; TO MATCH EXISTING.

23.001 M.E.P ITEM: EXISTING ROOFTOP CHILLER.

RECOMMENDED SEQUENCING

ALL EXISTING ISOLATOR SUPPORTS ARE TO BE REMOVED AND REPLACED WITH NEW ISOLATOR. EXISTING ISOLATORS SHALL REMAIN IN PLACE UNTIL ADJACENT ISOLATORS INSTALLATION HAS BEEN COMPLETED. ONLY (1) ISOLATOR IS TO BE REMOVED AT A TIME ON ANY (1) UNIT.

STEP 1: PRIOR TO OPENING ANY CURB LOCATION, TEMPORARY SHORING SHALL BE PROVIDED TO BOTH SIDES OF WHERE THE OPENING IS TO BE MADE. SHORING SHALL BE PROVIDED IN A MANNER TO TRANSFER ALL VERTICAL LOAD TO THE EXISTING STEEL BEAMS. POINT LOADING SHORING POSTS ON CONCRETE DECK ALONE IS NOT RECOMMENDED. SHOULD LOCATIONS OF BEAMS BE UNCLEAR, USE OF GRILLAGE BEAMS TO ENSURE LOAD TRANSFER I PROTECTIVE SHIMMING OF MATERIALS AT ROOF SHALL BE PROVIDED TO PROTECT ROOFING SURFACE FROM DAMAGE. ALL SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR, SEE GENERAL NOTE 5 ABOVE.

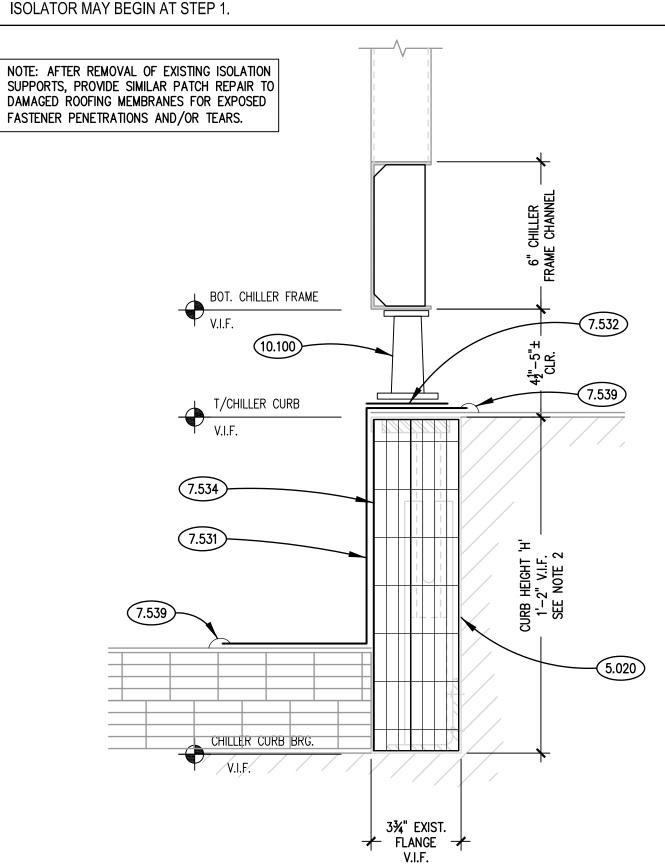
STEP 2: ONCE SHORING IS IN PLACE, EXISTING CURB AT NEW ISOLATOR LOCATION SHALL BE OPENED. CARE SHOULD BE TAKEN NO TO DAMAGED THE EXISTING/SURROUND CURB AND ROOFING DURING THIS DEMOLITION PROCESS.

STEP 3: INSTALLATION OF NEW JACK SUPPORT TUBE SHALL TAKE PLACE. JACK ASSEMBLY SHALL BE PLACED AS DEPICTED INSIDE THE EXISTING CURB AND MOUNTED TO THE CONCRETE DECK.

STEP 4: ASSEMBLY SHALL BE RAISED BY USE OF HYDRAULIC PRESS OR EQUIVALENT METHOD IN ORDER TO CREATE A TIGHT FITTING CONDITION. SHOULD A MECHANICAL PRESS BE USED, CAUTION SHOULD BE PROVIDED NOT TO "OVER-LIFT" THE ASSEMBLY RESULTING IN BENDING THE TOP FLANGE OF CURB UPWARDS.

STEP 5: ONCE ASSEMBLY IS LIFTED INTO POSITION, FIELD WELDING OF TUBE SLOTS SHALL OCCUR TO HOLD ASSEMBLY IN PLACE. OSHA SAFTEY PRECAUTIONS SHALL BE FOLLOWED DURING ALL FIELD WELDING.

STEP 6: AFTER WELDING IS COMPLETED; HYDRAULIC PRESS MAY BE REMOVED AND RE-FLASHING OF ROOFING MEMBRANE MAY TAKE PLACE TO CLOSE THE MADE OPENING. DEMOLITION OF NEXT ISOLATOR MAY BEGIN AT STEP 1.



TYPICAL CURB FLASHING DETAIL

SCALE: 3" = 1'-0"

DRAFTING LEGEND 0.000 KEYNOTE SECTION NUMBER IDENTIFICATION SHEET NUMBER -LOCATION TYPICAL CURB REINFORCEMENT DETAIL

SCALE: 3" = 1'-0" STEEL ELEVATION NEW STEEL ELEMENT EXISTING STEEL

W_x__ (N) W_x__ (E) NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.

APPROVED SHEET TITLE **GENERAL NOTES CODE & LOADING, ROOF FRAMING PLAN SECTIONS & DETAILS**

SHEET NUMBER **S010**

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